AVSOFT®

B777

QUICK STUDY GUIDE

SQS-B777-B1-P1

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This Quick Study Guide (QSG) is meant to be a supplement to the FAA approved aircraft manual and Flight Operations Manual (FOM). The information provided herein is not official, and all materials provided by your company are the final authority.

This QSG has been designed with you, the pilot, in mind. It will help you focus your studies so as to fully prepare you for your checkride. Based on an extensive study of orals at different companies, we have designed a manual that will go over as much of the information that will be covered during a typical oral.

In order to accomplish this goal, every cockpit panel is reviewed. This QSG incorporates an extensive set of typical oral questions. However, this list is not complete since many examiners like to come up with their own questions.

Do not rely solely on this manual to prepare for your oral. Use it in conjunction with your Company's Aircraft Manual.

Most of the information in this QSG will be applicable to your situation. We can configure this QSG to your Company's specifications. Have your training department contact Avsoft, Inc. at 888-254-1213 (US and Canada), or 303-750-5084 (International).

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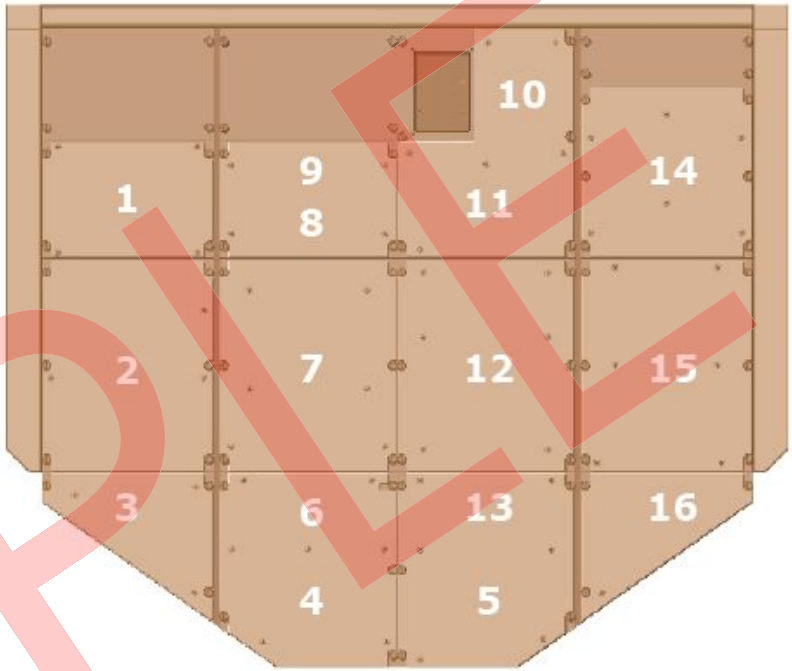

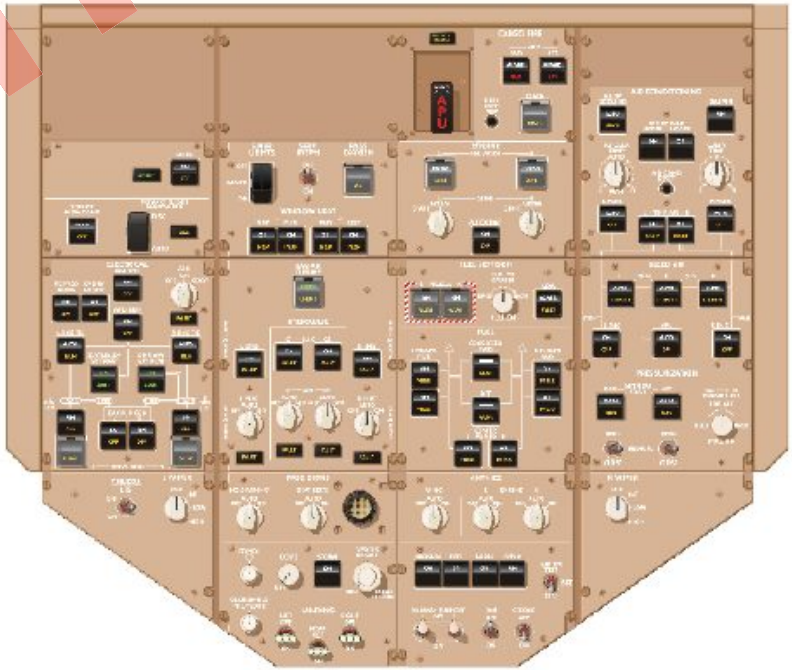

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OVERHEAD PANEL

1. ADIRU/THRUST/FLIGHT COMPUTER PANEL

1. ADIRU SWITCH

ON - Power is applied to the ADIRU

OFF - ADIRU is unpowered.

If 'OFF' is selected to 'OFF' when the airspeed is greater than 30 knots, the ADIRU remains powered.

2. ON BATTERY LIGHT

Illuminates when the ADIRU has been aligned and the ADIRU is powered by the airplane battery (hot battery bus).

3. PRIMARY FLIGHT COMPUTERS SWITCH

AUTO - The flight control system is operating in the normal mode. In the event of a system fault, the flight control system automatically switches to the secondary or direct mode.

DISC - Places the flight control system in the direct mode and disconnects the primary flight computers.

This switch can be cycled to restore the secondary or normal mode of operation.

ADIRU/THRUST/FLIGHT COMPUTER PANEL is continued on next page

4. DISCONNECT LIGHT

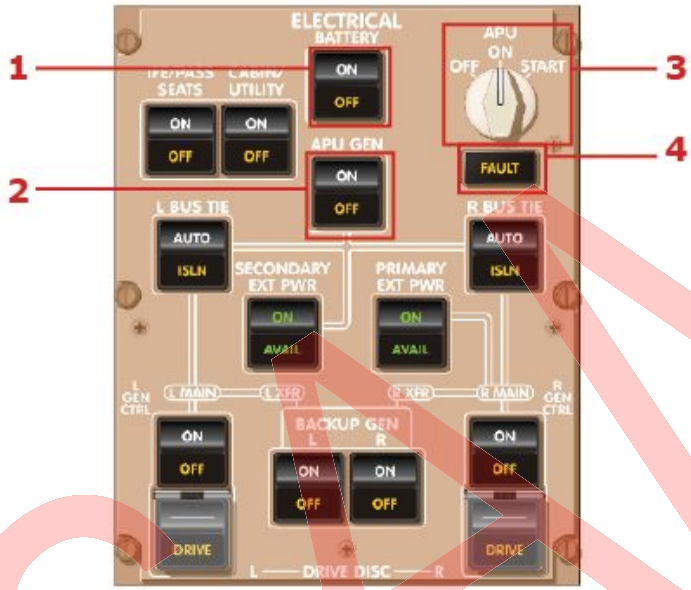
Illuminates to indicate that the primary flight computers have disconnected automatically or manually. The flight control system is in the direct mode.

5. THRUST ASYMMETRY COMPENSATION

AUTO - The thrust asymmetry compensation system will automatically engage in the event a thrust asymmetry condition has been detected.

OFF - The thrust asymmetry compensation system has been disconnected from the flight control system.

2. ELECTRICAL CONTROL PANEL



1. BATTERY SWITCH

ON - When the aircraft is unpowered, the battery switch powers multiple annunciator lights and allows an APU start.

None of the Display Units are powered.

In flight, or on the ground (with no AC power), the battery powers the following systems:

- Standby busses
- Emergency Lighting
- Left Inboard Display Unit
- Left Outboard Display Unit
- Upper Center Display Unit
- Left CDU
- The Captain's Radio Tuning Panel
- The forward three audio control panels
- The PA system

OFF - Battery power is turned 'OFF' when the aircraft is on the ground. This function is inhibited during flight.

An EICAS message is displayed when the battery switch is turned off in flight.

2. APU GENERATOR SWITCH

ON - The APU generator breaker is armed to close automatically.

OFF - Opens the APU generator breaker

3. APU SELECTOR

OFF - Closes the APU bleed air isolation valve and initiates a normal shutdown. Cycling the APU selector to OFF resets the auto shutdown logic.

ON - Opens the APU fuel valve and inlet door. The AC or DC pump is automatically activated and the APU controller receives power.

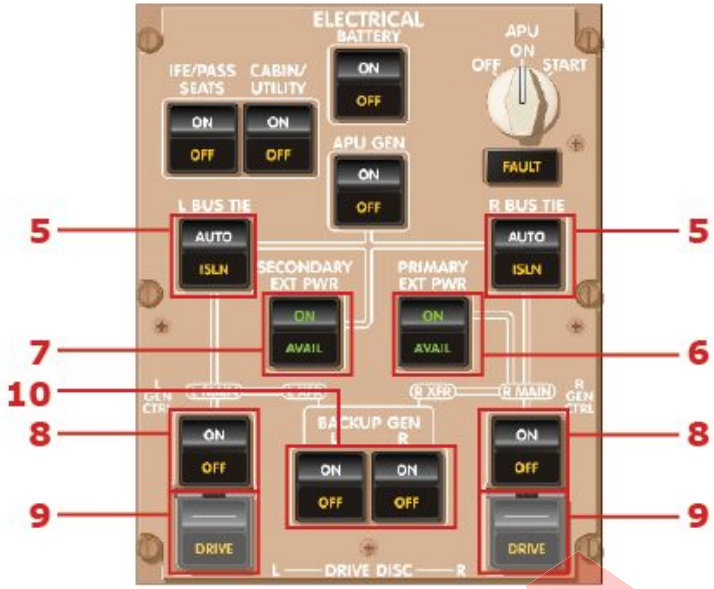
START - Initiates the automatic start sequence of the APU. The switch is spring-loaded to the ON position.

4. APU FAULT LIGHT

Illuminates for one of the following conditions:

- APU fault
- APU fire
- APU shutdown due to fault or fire
- APU controller self-test

2. ELECTRICAL CONTROL PANEL



5. BUS TIE SWITCHES

AUTO - Arms the associated automatic AC bus tie circuit.

ISLN - Opens the associated bus tie breaker.

The ISoLatioN light illuminates to indicate that the associated bus tie breaker is open (automatically or by the associated switch).

6. PRIMARY EXTERNAL POWER SWITCH

AVAILable - Illuminates to indicate that primary external power is plugged in and power is within limits.

Pressing the switch will connect the primary external power to both main busses. When this happens, the ON light illuminates and the AVAIL light extinguishes.

Selecting the switch OFF when primary external power is connected to a bus disconnects primary external power. If available, the previously connected power source is automatically reconnected.